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1 1. For use in an automated pipetting system having a pipetting chamber iwth a
2 generally U-shaped ledge, a pipette tip magazine adapted for insertion into and removal from
3 an operative position in said chamber supported on said ledge, said magazine comprising a
4 generally rectangular plate having an edge surrounding an inner region, said edge being
5 configured to be supported on said ledge, and said inner region having an array of through
6 openings for vertically receiving and retaining pipette tips, said plate being molded from a
7 polymeric resin and having an inherent stiffness such that when supported on said ledge, a
8 downward force of up to about 1000 Newtons applied to the inner region will produce a
9 downward deflection of said plate at said geometric center of not more than 0.51mm.

1 2. The pipette tip magazine of claim 1, wherein the polymeric resin is polycarbonate.

1 3. (Amended) The pipette tip magazine of claim 2, wherein the polycarbonate is filled
2 with glass fiber.

1 4. The pipette tip magazine of claim 3, wherein the amount of glass fiber is
2 approximately 20 to 40% by weight of the polycarbonate.

1 5. The pipette tip magazine of claim 1 wherein the edge is between 10 to 15% of the
2 total area of the plate.

1 6. The pipette tip magazine of claim 1 wherein said magazines when filled with pipette
2 tips are stackable.

1 7. The pipette tip magazine of claim 2, wherein the magazine has a flat upper surface.